

WEST Search History

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DATE: Friday, April 16, 2004

Hide?	Set Name	Query	Hit Count
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L13	6107281.pn.	2
<input type="checkbox"/>	L12	L10 and L11	17
<input type="checkbox"/>	L11	antimicrobial or antibacterial	128825
<input type="checkbox"/>	L10	L8 and L9	23
<input type="checkbox"/>	L9	adhesive	896719
<input type="checkbox"/>	L8	L6 and L7	104
<input type="checkbox"/>	L7	oral	184303
<input type="checkbox"/>	L6	ascorbyl phosphate	720
<input type="checkbox"/>	L5	L1 and L4	1
<input type="checkbox"/>	L4	polymeric.ti.	38906
<input type="checkbox"/>	L3	L1 and L2	7
<input type="checkbox"/>	L2	3m.as.	10272
<input type="checkbox"/>	L1	godbey.in.	89

END OF SEARCH HISTORY

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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated
and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/CAPLUS
NEWS 5 FEB 05 German (DE) application and patent publication number format
changes
NEWS 6 MAR 03 MEDLINE and LMedLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

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=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:52:57 ON 16 APR 2004

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 15 APR 2004 HIGHEST RN 675818-37-8
DICTIONARY FILE UPDATES: 15 APR 2004 HIGHEST RN 675818-37-8

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

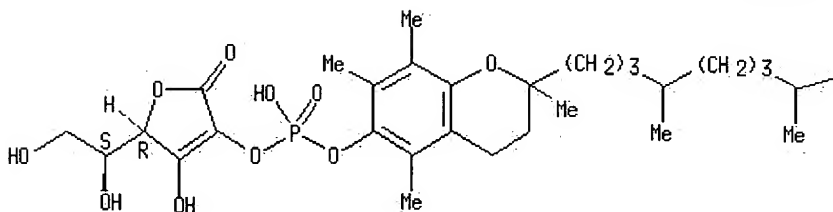
```
=> s ascorbyl phosphate
      60 ASCORBYL
      191710 PHOSPHATE
L1      6 ASCORBYL PHOSPHATE
      (ASCORBYL(W) PHOSPHATE)
```

```
=> d l1 1-6
```

```
L1  ANSWER 1 OF 6  REGISTRY  COPYRIGHT 2004 ACS on STN
RN  637764-10-4  REGISTRY
CN  Ascorbic acid, 2-[3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-
    trimethyltridecyl)-2H-1-benzopyran-6-yl hydrogen phosphate], monopotassium
    salt (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN  Potassium dl-α-tocopheryl dl-ascorbyl phosphate
FS  STEREOSEARCH
MF  C35 H57 O10 P . K
SR  CA
LC  STN Files:  CA, CAPLUS
```

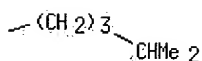
Relative stereochemistry.

PAGE 1-A



K

PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

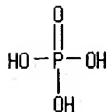
STN Columbus

L1 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 128808-26-4 REGISTRY
 CN L-Ascorbic acid, phosphate, sodium salt (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Ascorbic acid phosphate sodium salt
 CN **Sodium ascorbyl phosphate**
 FS STEREOSEARCH
 MF C6 H8 O6 . x H3 O4 P . x Na
 CI COM
 SR CA
 LC STN Files: BIOSIS, CA, CAPLUS, CEN, TOXCENTER, USPAT2, USPATFULL

CM 1

CRN 7664-38-2

CMF H3 O4 P

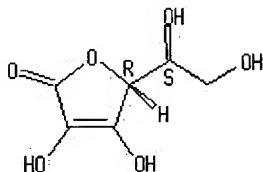


CM 2

CRN 50-81-7

CMF C6 H8 O6

Absolute stereochemistry.



101 REFERENCES IN FILE CA (1907 TO DATE)

102 REFERENCES IN FILE CAPLUS (1907 TO DATE)

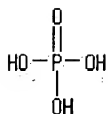
L1 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 128808-25-3 REGISTRY
 CN L-Ascorbic acid, phosphate, potassium salt (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN **Potassium ascorbyl phosphate**
 FS STEREOSEARCH
 MF C6 H8 O6 . x H3 O4 P . x K
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

CRN 7664-38-2

CMF H3 O4 P

STN Columbus

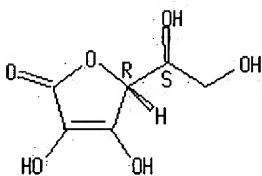


CM 2

CRN 50-81-7

CMF C6 H8 O6

Absolute stereochemistry.



9 REFERENCES IN FILE CA (1907 TO DATE)

9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

RN 128808-24-2 REGISTRY

CN L-Ascorbic acid, phosphate, calcium salt (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Calcium ascorbyl phosphate**

FS STEREOSEARCH

MF C6 H8 O6 . x Ca . x H3 O4 P

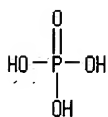
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 7664-38-2

CMF H3 O4 P



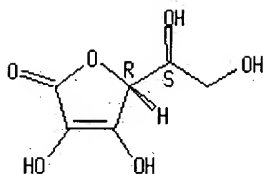
CM 2

CRN 50-81-7

CMF C6 H8 O6

Absolute stereochemistry.

STN Columbus

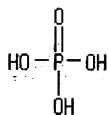


11 REFERENCES IN FILE CA (1907 TO DATE)
11 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN 125913-31-7 REGISTRY
CN L-Ascorbic acid, phosphate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Ascorbic acid phosphate
CN **Ascorbyl phosphate**
CN Rovimix STAY-C
CN Rovimix STAY-C 25
CN Rovimix Stay-C 35
FS STEREOSEARCH
MF C6 H8 O6 . x H3 O4 P
CI COM
SR CA
LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, IPA, TOXCENTER,
USPAT2, USPATFULL

CM 1

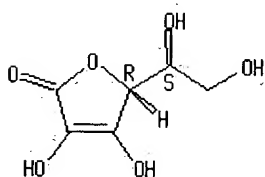
CRN 7664-38-2
CMF H3 O4 P



CM 2

CRN 50-81-7
CMF C6 H8 O6

Absolute stereochemistry.



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122 REFERENCES IN FILE CAPLUS (1907 TO DATE)

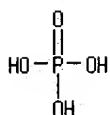
L1 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN

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RN 108910-78-7 REGISTRY
 CN L-Ascorbic acid, phosphate, magnesium salt (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Ascorbic acid phosphate magnesium salt
 CN C-Mate
 CN Magnesium ascorbate phosphate
 CN **Magnesium ascorbyl phosphate**
 CN Magnesium L-ascorbate phosphate
 FS STEREOSEARCH
 DR 224960-02-5
 MF C6 H8 O6 . x H3 O4 P . x Mg
 CI COM
 SR CA
 LC STN Files: BIOSIS, CA, CAPLUS, CEN, CHEMCATS, CSCHEM, TOXCENTER, USPAT2,
 USPATFULL

CM 1

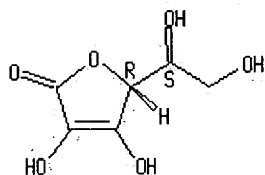
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 CMF H3 O4 P



CM 2

CRN 50-81-7
 CMF C6 H8 O6

Absolute stereochemistry.



364 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 366 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s ascorbyl 2 phosphate/cn
 L2 0 ASCORBYL 2 PHOSPHATE/CN

 => s ascorbyl 2 phosphate
 60 ASCORBYL
 16556743 2
 191710 PHOSPHATE
 L3 2 ASCORBYL 2 PHOSPHATE
 (ASCORBYL (W) 2 (W) PHOSPHATE)

 => d 13 1-2

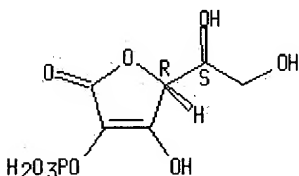
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L3 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 23666-04-8 REGISTRY
 CN L-Ascorbic acid, 2-(dihydrogen phosphate), magnesium salt (1:1) (8CI, 9CI)
 (CA INDEX NAME)

OTHER NAMES:

CN **Magnesium ascorbyl 2-phosphate**
 FS STEREOSEARCH
 MF C6 H9 O9 P . Mg
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMLIST, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 CRN (23313-12-4)

Absolute stereochemistry.



Mg

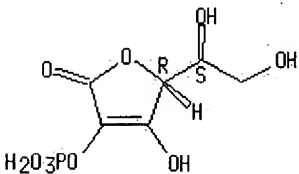
90 REFERENCES IN FILE CA (1907 TO DATE)
 90 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 23313-12-4 REGISTRY
 CN L-Ascorbic acid, 2-(dihydrogen phosphate) (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Ascorbic acid 2-phosphate
 CN L-Ascorbic acid 2-phosphate
 CN L-Ascorbic acid 2-phosphate (ester)
 CN L-Ascorbic acid 2-phosphoric acid ester
 CN **L-Ascorbyl-2-phosphate**
 FS STEREOSEARCH
 DR 172173-78-3, 81877-56-7
 MF C6 H9 O9 P
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, DDFU, DRUGU,
 EMBASE, IPA, MEDLINE, PROMT, TOXCENTER, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)

Absolute stereochemistry.



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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

271 REFERENCES IN FILE CA (1907 TO DATE)
20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
271 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file kosmet, medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

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TOTAL

ENTRY

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FULL ESTIMATED COST

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42.63

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FILE 'TOXCENTER' ENTERED AT 14:55:21 ON 16 APR 2004

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FILE 'USPAT2' ENTERED AT 14:55:21 ON 16 APR 2004

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[illegible]

```
=> s L Ascorbic acid 2 dihydrogen phosphate
12 FILES SEARCHED...
26 FILES SEARCHED...
36 FILES SEARCHED...
L5          9 L ASCORBIC ACID 2 DIHYDROGEN PHOSPHATE
```

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=> s ascorbyl 2 phosphate
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L6          360 ASCORBYL 2 PHOSPHATE
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L7      183 ASCORBYL 2 MONOPHOSPHATE
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29 FILES SEARCHED...
L8      11 ASCORBYL 2 DIPHOSPHATE
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29 FILES SEARCHED...

L9 14 ASCORBYL 2 TRIPHOSPHATE

=> s ascorbyl 2 polyphosphate

29 FILES SEARCHED...

L10 148 ASCORBYL 2 POLYPHOSPHATE

=> d his

(FILE 'HOME' ENTERED AT 14:52:45 ON 16 APR 2004)

FILE 'REGISTRY' ENTERED AT 14:52:57 ON 16 APR 2004

L1 6 S ASCORBYL PHOSPHATE

L2 0 S ASCORBYL 2 PHOSPHATE/CN

L3 2 S ASCORBYL 2 PHOSPHATE

FILE 'KOSMET, ADISCTI, ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CANCERLIT, CAPLUS, CEN, DISSABS, DGENE, DRUGB, DRUGMONOG2, IMSDRUGNEWS, DRUGU, EMBAL, EMBASE, ESBIOBASE, IFIPAT, IMSPRODUCT, IPA, JICST-EPLUS, LIFESCI, MEDICONF, MEDLINE, NAPRALERT, NLDB, ...' ENTERED AT 14:55:21 ON 16 APR 2004

L4 328 S 23313-12-4/RN

L5 9 S L ASCORBIC ACID 2 DIHYDROGEN PHOSPHATE

L6 360 S ASCORBYL 2 PHOSPHATE

L7 183 S ASCORBYL 2 MONOPHOSPHATE

L8 11 S ASCORBYL 2 DIPHOSPHATE

L9 14 S ASCORBYL 2 TRIPHOSPHATE

L10 148 S ASCORBYL 2 POLYPHOSPHATE

=> s l3 or l4 or l5 or l6 or l7 or l8 or l9 or l10

24 FILES SEARCHED...

L11 1335 L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10

=> s dentifrice or tooth paste or toothpaste or mouth wash or mouthwash or oral care or mouth

18 FILES SEARCHED...

L12 553950 DENTIFRICE OR TOOTH PASTE OR TOOTHPASTE OR MOUTH WASH OR MOUTHWASH OR ORAL CARE OR MOUTH SH OR ORAL CARE OR MOUTH

=> s l12 and l11

L13 18 L12 AND L11

=> dup rem

ENTER L# LIST OR (END):l13

DUPLICATE IS NOT AVAILABLE IN 'KOSMET, ADISINSIGHT, ADISNEWS, DGENE, DRUGMONOG2, IMSPRODUCT, MEDICONF, NUTRACEUT, PCTGEN, PHARMAML'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L13

L14 16 DUP REM L13 (2 DUPLICATES REMOVED)

=> d l14 1-16 ibib,kwic

L14 ANSWER 1 OF 16 USPATFULL on STN

Full Text

ACCESSION NUMBER: 2004:24434 USPATFULL

TITLE: Gelatinous food elastomer compositions and articles for use as fishing bait

INVENTOR(S): Chen, John Y., Pacifica, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004018272	A1	20040129

STN Columbus

APPLICATION INFO.: US 2002-199362 A1 20020720 (10)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Applied Elastomerics, Inc., 163 W. Harris Avenue, South
San Francisco, CA, 94080
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 31 Drawing Page(s)
LINE COUNT: 4354
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . corn, feedingoat meal, fish meal, dehulled soybean meal, algae meal, dehydrated alfalfa meal, monobasic calcium phosphate, fish oil, soybean oil, 1-**ascorbyl-2-polyphosphate** (vitamin c), artificial colors including yellow 5. ethoxyquin asa--preservative. Spirulina, soy protein concentrate, wheat germ, dehydrated alfalfa, whole wheat, wheat. . . flavor, pea protein isolate, rice flour, algae meal, crayfish extract in soybean oil, soybean oil (preserved with tbhq), potato starch, 1-**ascorbyl-2-polyphosphate**, vitamin premix containing (wheat middlings, vitamin a supplement, vitamin d3 supplement, vitamin e supplement, vitamin b12 supplement, riboflavin supplement, niacin. . . flavor, pea protein isolate, rice flour, algae meal, crayfish extract in soybean oil, soybean oil (preserved with tbhq), potato starch, 1-**ascorbyl-2-polyphosphate**, vitamin premix containing (wheat middlings, vitamin a supplement, vitamin d3 supplement, vitamin e supplement, vitamin b12 supplement, riboflavin supplement, niacin. . . .

DETD . . . Barbless hook--A hook with no barb, that minimizes damage to delicate baits, ensures full penetration of the point into the **mouth** of a fish, and allows easy removal of the hook without damaging the fish.

DETD [0114] Microbarbed hook--A hook with a tiny barb to minimize damage to the **mouth** of a fish and to baits such as maggots.

DETD . . . in between the tooth gap between making it a floss-brush with activated tooth past build in. The gel compounded with **toothpaste** can contain any anticavity agents including sodium fluoride, any antigingivitis agents, any whitening agents, and any plaque fighting agents. Freeze. . . .

DETD [0270] In order for invention gels to be useful as a dental floss blended with dry **toothpaste** instead of food, it must overcome the difficult barriers of high shearing and high tearing under extreme elongation and tension loads. The difficulties that the invention elastic **toothpaste** gels must overcome during flossing can be viewed as follows: during the action of flossing, the gel is stretched from. . . .

DETD [0271] This invention advances the flossing art by providing strong, soft, and extreme tear resistant invention elastic **toothpaste** gels made from multiblock copolymers which invention elastic **toothpaste** gels are substantially as soft as the gums surrounding the teeth.

DETD [0277] Gel floss formed from the invention elastic **toothpaste** gels has many advantages over conventional dental floss such as regular and extra fine waxed and unwaxed nylon floss, spongy. . . .

L14 ANSWER 2 OF 16 USPATFULL on STN

Full Text

ACCESSION NUMBER: 2004:24385 USPATFULL
TITLE: Gelatinous food elastomer compositions and articles
INVENTOR(S): Chen, John Y., Pacifica, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004018223	A1	20040129
APPLICATION INFO.:	US 2002-199363	A1	20020720 (10)
DOCUMENT TYPE:	Utility		

STN Columbus

FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: JOHN Y. CHEN, 1336 Oddstad Blvd., Pacifica, CA, 94044
 NUMBER OF CLAIMS: 16
 EXEMPLARY CLAIM: 1
 LINE COUNT: 3229

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

SUMM . . . corn, feedingoat meal, fish meal, dehulled soybean meal, algae meal, dehydrated alfalfa meal, monobasic calcium phosphate, fish oil, soybean oil, 1-**ascorbyl-2-polyphosphate** (vitamin c), artificial colors incliding yellow 5, ethoxyquin asa-preservative. Spirulina, soy protein concentratte, wheat germ, dehydrated alfalfa, whole wheat, wheat gluten, . . . flavor, pea protein isolate, rice flour, algae meal, crayfish extract in soybean oil, soybean oil (preserved with tbhq), potato starch, 1-**ascorbyl-2-polyphosphate**, vitamin premix containing (wheat middlings, vitamin a supplement, vitamin d3 supplement, vitamin e supplement, vitamin b12 supplement, riboflavin supplement, niacin. . . flavor, pea protein isolate, rice flour, algae meal, crayfish extract in soybean oil, soybean oil (preserved with tbhq), potato starch, 1-**ascorbyl-2-polyphosphate**, vitamin premix containing (wheat middlings, vitamin a supplement, vitamin d3 supplement, vitamin e supplement, vitamin b12 supplement, riboflavin supplement, niacin. . .

SUMM . . . in between the tooth gap between making it a floss-brush with activated tooth past build in. The gel compounded with **toothpaste** can contain any anticavity agents including sodium fluoride, any antigingivitis agents, any whitening agents, and any plaque fighting agents. Freeze. . .

L14 ANSWER 3 OF 16 USPATFULL on STN

DUPLICATE 1

Full Text

ACCESSION NUMBER: 2003:79177 USPATFULL
 TITLE: Anticancer agents, perfumes or foods and drinks containing omega-hydroxyfatty acids
 INVENTOR(S): Ito, Nobuhiko, Chiba, JAPAN
 Tsuji, Hiroyuki, Tokyo, JAPAN
 Fukuda, Yoshio, Tokyo, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003055105	A1	20030320
	US 6639089	B2	20031028
APPLICATION INFO.:	US 2002-169527	A1	20020702 (10)
	WO 2001-JP9661		20011101

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2000-340459	20001108
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SCHNADER HARRISON SEGAL LEWIS, LLP, 1600 MARKET STREET, SUITE 3600, PHILADELPHIA, PA, 19103	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1058	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . powder, lip sticks, rouge, nail treatments, shampoos, rinses, hair growth agents, hair-dyeing agents, soaps, cleansing lotion, sun care products, deodorants, **toothpaste**, and **mouthwash**.

DETD . . . Jp-A-8-291075, etc.), a 25% cancer cell invasion inhibition was obtained at a concentration of approximately 280 μ M with respect to L-**ascorbyl 2-phosphate**, and a 25% cancer cell invasion inhibition was obtained at a concentration of approximately 110 μ M with respect

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to L-ascorbyl. . .

L14 ANSWER 4 OF 16 USPATFULL on STN

Full Text

ACCESSION NUMBER: 2003:251569 USPATFULL
 TITLE: METHOD OF TREATING ENVIRONMENTAL STRESS
 INVENTOR(S): EGAWA, MARIKO, YOKOHAMA-SHI, JAPAN
 SAKAMOTO, TETSUO, YOKOHAMA-SHI, JAPAN
 KOHNO, YOSHIYUKI, YOKOHAMA-SHI, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003176358	A1	20030918
APPLICATION INFO.:	US 2000-478882	A1	20000107 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-147293, filed on 23 Nov 1998, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1997-95307	19970330
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	TOWNSEND BANTA, 1225 EYE STREET NW, SUITE 500, WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	868	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . inlet 12, another is used as an inlet 13 for floating fine particles such as tobacco smoke, and the third mouth is used as a discharge port 14. Floating fine particles such as tobacco smoke flow in through inlet 13 of. . .

IT 50-21-5, Lactic acid, biological studies 50-81-7, Vitamin C, biological studies 50-81-7D, Ascorbic acid, esters 52-90-4, L-Cysteine, biological studies 56-88-2, Cystathionine 63-68-3, L-Methionine, biological studies 70-18-8, Glutathione, biological studies 76-93-7, biological studies 77-92-9, Citric acid, biological studies 77-95-2, Quinic acid 79-14-1, Glycolic acid, biological studies 79-83-4, Pantothenic acid 80-69-3, Tartronic acid 87-69-4, Tartaric acid, biological studies 90-80-2, Gluconolactone 107-35-7, Taurine 127-17-3, Pyruvic acid, biological studies 134-03-2, Sodium ascorbate 156-06-9, Phenylpyruvic acid 300-84-5, Hypotaurine 300-85-6, β -Hydroxybutyric acid 320-77-4, Isocitric acid 498-40-8, Cysteic acid 498-59-9, Djenkolic acid 515-30-0, Atrolactic acid 526-95-4, Gluconic acid 552-63-6, Tropic acid 594-61-6, α -Hydroxyisobutyric acid 597-44-4, Citramalic acid 599-04-2, Pantolactone 600-15-7, α -Hydroxybutyric acid 600-22-6, Methyl pyruvate 611-73-4, Benzoylformic acid 617-35-6, Ethyl pyruvate 828-01-3 922-55-4 1112-33-0, Pantoic acid 1603-79-8, Ethyl benzoylformate 2937-54-4, Thiotaurine 5652-32-4, Thiocysteine 6027-13-0, Homocysteine 6915-15-7, Malic acid 13073-35-3, Ethionine 13382-27-9, Galactonic acid 13382-27-9D, Galactonic acid, lactone deriv. 15206-55-0, Methyl benzoylformate 17812-24-7, Ribonic acid 17812-24-7D, Ribonic acid, lactone deriv. 21090-54-0, L-Ascorbic acid 3-phosphoric acid ester 21593-77-1, S-Allylcysteine 22430-27-9, L-Ascorbic acid-3-sulfuric acid ester 23313-12-4, L-Ascorbic acid 2-phosphoric acid ester 37627-95-5, L-Ascorbic acid-2-sulfuric acid ester 129499-78-1, L-Ascorbic acid glucoside 146614-91-7 (method of treating environmental stress from adverse effects of tobacco smoke and automobile exhaust gases)

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L14 ANSWER 5 OF 16 IFIPAT COPYRIGHT 2004 IFI on STN DUPLICATE 2

Full Text

AN 10194023 IFIPAT;IFIUDB;IFICDB
 TITLE: TOPICAL **ORAL CARE** COMPOSITIONS; INCLUDING A FREE
 RADICAL SCAVENGING PRECURSOR COMPOUND, ASCORBYL
 MONO-, DI- OR TRI-PHOSPHATES AND SALTS, SUCH AS
 SODIUM **ASCORBYL-2-MONOPHOSPHATE**
 INVENTOR(S): Montgomery; R. Eric, Monterey, MA, US
 PATENT ASSIGNEE(S): Oraceutical LLC, Lee, MA
 AGENT: BANNER WITCOFF, LTD., 28 STATE STREET, 28th FLOOR,
 BOSTON, MA, 02109, US

	NUMBER	PK	DATE
PATENT INFORMATION:	US 2002137728	A1	20020926
APPLICATION INFORMATION:	US 2002-56296		20020124

	NUMBER	DATE
PRIORITY APPLN. INFO.:	US 2001-263884P	20010124 (Provisional)
FAMILY INFORMATION:	US 2002137728	20020926
DOCUMENT TYPE:	Utility	
	Patent Application - First Publication	
FILE SEGMENT:	CHEMICAL	
	APPLICATION	
NUMBER OF CLAIMS:	10	

TI TOPICAL **ORAL CARE** COMPOSITIONS; INCLUDING A FREE RADICAL SCAVENGING
 PRECURSOR COMPOUND, ASCORBYL MONO-, DI- OR TRI-PHOSPHATES AND SALTS, SUCH
 AS SODIUM **ASCORBYL-2-MONOPHOSPHATE**
 AB Embodiments of the present invention are directed to topical **oral**
care compositions including a free radical scavenging precursor compound.
 ECLM 1. An **oral care** composition comprising (a) an orally acceptable
 carrier, and (b) an **ascorbyl-2-phosphate** compound having the
 following structure, or a sodium or potassium salt thereof,

D R A W I N G

where n. . .
 ACLM 7. The composition of claim 1 wherein the ascorbyl phosphate is
ascorbyl-2-monophosphate, ascorbyl-2-diphosphate,
ascorbyl-2-triphosphate, ascorbyl-2-polyphosphate, or
 combinations thereof.

L14 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

ACCESSION NUMBER: 2002:574895 CAPLUS
 DOCUMENT NUMBER: 137:129585
 TITLE: Topical **oral care** compositions containing ascorbyl
 phosphate
 INVENTOR(S): Montgormery, R. Eric
 PATENT ASSIGNEE(S): Oraceutical LLC, USA
 SOURCE: PCT Int. Appl., 22 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002058662	A2	20020801	WO 2002-US2324	20020124
WO 2002058662	A3	20030220		

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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2002137728 A1 20020926 US 2002-56296 20020124
 EP 1370226 A2 20031217 EP 2002-706004 20020124

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRIORITY APPLN. INFO.: US 2001-263884P P 20010124
 WO 2002-US2324 W 20020124

TI Topical **oral care** compositions containing ascorbyl phosphate

AB Embodiments of the present invention are directed to topical oral compns. including a free radical scavenging precursor compd., such as **ascorbyl 2-phosphate**. A **mouthwash** contained deionized water 86.19, glycerin 7.5, Na tripolyphosphate 3, polyethylene glycol 1, Na saccharin 0.06, Na benzoate 0.5, Na **ascorbyl-2-monophosphate** 1, ethoxylated hydrogenated castor oils 0.6, and flavors 0.15 %.

ST **dentifrice** radical scavenger ascorbyl phosphate

IT Dental materials and appliances
 (denture adhesives; topical **oral care** compns. contg. ascorbyl phosphate)

IT Dentifrices
 Mouthwashes
 Radical scavengers
 (topical **oral care** compns. contg. ascorbyl phosphate)

IT 23313-12-4 30784-77-1 109113-30-6 125913-31-7, Rovimix
 Stay-C 35 134885-32-8 143567-34-4

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (topical **oral care** compns. contg. ascorbyl phosphate)

L14 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

ACCESSION NUMBER: 2001:587226 CAPLUS

DOCUMENT NUMBER: 135:157418

TITLE: **Dentifrice** compositions containing ascorbic acids and showing high residual content of ascorbic acids during preservation

INVENTOR(S): Hiratsuka, Susumu; Aratani, Yuko; Yamamoto, Mitsuya

PATENT ASSIGNEE(S): Lion Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2001220336	A2	20010814	JP 2000-30556	20000208
PRIORITY APPLN. INFO.:			JP 2000-30556	20000208
TI Dentifrice compositions containing ascorbic acids and showing high residual content of ascorbic acids during preservation				
AB Title compns. contain ascorbic acid or its derivs. and amines having ≥ 2 OH groups. Thus, a dentifrice contg. Mg ascorbyl phosphate (I) and triethanolamine was stored at 40° for 6 mo to show 94.9%				

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residual I.
 ST **dentifrice** ascorbyl phosphate stabilizer triethanolamine;
 polyhydroxylamine stabilizer ascorbic acid **dentifrice**
 IT Dentifrices
 Mouthwashes
 Stabilizing agents
 (**dentifrice** compns. contg. ascorbic acids and
 polyhydroxylamines as stabilizers)
 IT Amines, biological studies
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);
 BIOL (Biological study); USES (Uses)
 (polyhydroxy-; **dentifrice** compns. contg. ascorbic acids and
 polyhydroxylamines as stabilizers)
 IT 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid,
 fatty acid ester 21090-54-0 **23666-04-8**, Magnesium
ascorbyl 2-phosphate 27556-18-9 66651-98-7
 108910-78-7, Magnesium ascorbyl phosphate 109620-90-8
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (**dentifrice** compns. contg. ascorbic acids and
 polyhydroxylamines as stabilizers)
 IT 102-71-6, Triethanolamine, biological studies 111-42-2, Diethanolamine,
 biological studies
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);
 BIOL (Biological study); USES (Uses)
 (**dentifrice** compns. contg. ascorbic acids and
 polyhydroxylamines as stabilizers)

L14 ANSWER 8 OF 16 USPATFULL on STN

Full Text

ACCESSION NUMBER: 2001:126158 USPATFULL
 TITLE: L-ascorbic acid-2-phosphoric acid potassium crystal and
 method for producing the same
 INVENTOR(S): Oomori, Kazuhiro, Chiba, Japan
 Kobayashi, Yuji, Kanagawa, Japan
 Utsukihara, Takamitsu, Kanagawa, Japan
 Soya, Sumio, Tokyo, Japan
 PATENT ASSIGNEE(S): Showa Denko Kabushiki Kaisha, Tokyo, Japan (non-U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6271397	B1	20010807
APPLICATION INFO.:	US 1999-326696		19990607 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1998-174080	19980605
	US 1998-114162P	19981229 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Vollano, Jean F.	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak Seas, PLLC	
NUMBER OF CLAIMS:	3	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	481	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . accordingly, the APK crystal can be used not only in cosmetic
 powder or lotion but also in medical products (e.g., **mouth wash**, eye
 drops, bath preparation), cosmetics (e.g., skin lotion, milky lotion,
 cream, pack), foods (e.g., bread) and animal feedstuff (feedstuff for.

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IT 15042-01-0 23666-04-8
(prepn. of cryst. tripotassium ascorbate-phosphate)

L14 ANSWER 9 OF 16 USPATFULL on STN

Full Text

ACCESSION NUMBER: 2000:109786 USPATFULL
TITLE: Compounds and their combinations for the treatment of influenza infection
INVENTOR(S): Jones, Dean P., Decatur, GA, United States
Furukawa, Satoru, Tokyo, Japan
PATENT ASSIGNEE(S): Nutri-Quest, Inc., Chesterfield, MO, United States
(U.S. corporation)
Emory University, Atlanta, GA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6107281		20000822
APPLICATION INFO.:	US 1999-339629		19990624 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-5747, filed on 12 Jan 1998, now patented, Pat. No. US 6013632		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-35087P	19970113 (60)
	US 1997-35088P	19970113 (60)
	US 1997-34496P	19970113 (60)
	US 1997-35417P	19970113 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Nutter, Nathan M.	
LEGAL REPRESENTATIVE:	Pratt, John S., Gray, Bruce D. Kilpatrick Stockton LLP	
NUMBER OF CLAIMS:	3	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1206	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

SUMM . . . can be supplied directly to the epithelial cells which are the potential site of infection in a lozenge, drinking solution, **mouth** rinse or nasal spray.

SUMM . . . glutathione disulfide (GSSG), ascorbate-2-phosphate, N-acetyl-L-cysteine, or combinations thereof. Delivery is preferably carried out in the form of lozenges, drinking solution, **mouth** rinse or nasal spray, for the purpose of coating the nasal passages and mucous membranes of the patient.

SUMM . . . lactose and/or other excipients, binders, extenders, disintegrants, diluents and lubricants known in the art. Components in the formulation of a **mouthwash** or rinse include antimicrobials, surfactants, cosurfactants, oils, water and other additives such as sweeteners/flavoring agents known in the art.

IT 70-18-8P, Glutathione, biological studies 616-91-1P, N-Acetylcysteine 23313-12-4P, Ascorbic acid 2-phosphate 27025-41-8P, Glutathione disulfide
(comps. and pharmaceuticals for treatment of influenza virus infection)

L14 ANSWER 10 OF 16 USPATFULL on STN

Full Text

ACCESSION NUMBER: 2000:4794 USPATFULL
TITLE: Compounds and their combinations for the treatment of influenza infection
INVENTOR(S): Jones, Dean P., Decatur, GA, United States

STN Columbus

PATENT ASSIGNEE(S): Furukawa, Satoru, Tokyo, Japan
Emory University, Atlanta, GA, United States (U.S. corporation)
Nutri-Quest, Inc., Chesterfield, MO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6013632		20000111
APPLICATION INFO.:	US 1998-5747		19980112 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-35087P	19970113 (60)
	US 1997-35088P	19970113 (60)
	US 1997-34496P	19970113 (60)
	US 1997-35417P	19970113 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Nutter, Nathan M.
LEGAL REPRESENTATIVE: Kilpatrick Stockton LLP
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 1216

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

SUMM . . . can be supplied directly to the epithelial cells which are the potential site of infection in a lozenge, drinking solution, **mouth** rinse or nasal spray.

SUMM . . . disulfide (GSSG), ascorbate-2-phosphate, N-acetyl-L-cysteine, or combinations thereof Delivery is preferably carried out in the form of a lozenge, drinking solution, **mouth** rinse or nasal spray, for the purpose of coating the nasal passages and mucous membranes of the patient.

SUMM . . . lactose and/or other excipients, binders, extenders, disintegrants, diluents and lubricants known in the art. Components in the formulation of a **mouthwash** or rinse include antimicrobials, surfactants, cosurfactants, oils, water and other additives such as sweeteners/flavoring agents known in the art.

IT 70-18-8P, Glutathione, biological studies 616-91-1P, N-Acetylcysteine 23313-12-4P, Ascorbic acid 2-phosphate 27025-41-8P, Glutathione disulfide
(compds. and pharmaceuticals for treatment of influenza virus infection)

L14 ANSWER 11 OF 16 USPATFULL on STN

Full Text

ACCESSION NUMBER: 1999:43201 USPATFULL
TITLE: Cosmetic or dermatological composition containing at least one active principle precursor and a crosslinked poly(2-acrylamido-2-methylpropanesulphonic acid) polymer neutralized to at least 90%
INVENTOR(S): Sebillote-Arnaud, Laurence, L'Hay Les Roses, France
Lorant, Raluca, Thiais, France
PATENT ASSIGNEE(S): L'Oreal, Paris, France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5891452		19990406
APPLICATION INFO.:	US 1997-885596		19970630 (8)

NUMBER	DATE

STN Columbus

PRIORITY INFORMATION: FR 1996-8110 19960628
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Venkat, Jyothsna
LEGAL REPRESENTATIVE: Finnegan, Henderson, Farabow Garrett Dunner, L.L.P.
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
LINE COUNT: 753

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

SUMM The compositions of the invention can also be used as **oral care** product, such as toothpastes.

CLM What is claimed is:
25. A process for the care and hygiene of the **mouth**, said process comprising placing an effective amount of a composition according to claim 1 in the **mouth** as an **oral care** product.

IT 7439-95-4D, Magnesium, ascorbyl phosphate complexes, biological studies
23313-12-4D, magnesium complexes
(active precursor; cosmetic and/or dermatol. compns. contg. active precursors and crosslinked poly(acrylamidomethylpropanesulfonate))

L14 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

ACCESSION NUMBER: 1996:417858 CAPLUS
DOCUMENT NUMBER: 125:67295
TITLE: Oral compositions containing ascorbic acid phosphate ester as active oxygen scavengers for periodontal disease control
INVENTOR(S): Kataoka, Shinsuke; Ehata, Keiko
PATENT ASSIGNEE(S): Lion Corp, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08099849	A2	19960416	JP 1994-261226	19940930

PRIORITY APPLN. INFO.: JP 1994-261226 19940930

AB Oral compns. contg. ascorbic acid phosphate esters as active oxygen scavengers and menthone, carvone, cineole, limonene, menthane, anethole, eugenol and/or cinnamic aldehyde are useful for controlling periodontal diseases. Optionally, menthol may be added to the prepns. A **toothpaste** contained precipitable silica 25.0, sorbitol 25.0, glycerin 25.0, PVP 1.0, lauroyl polyglycerin ester 1.0, polyoxyethylene sorbitan monolaurate 0.5, sodium saccharin 0.2, Et p-hydroxybenzoate 0.1, ascorbic acid phosphate magnesium salt 0.1, carvone 0.1, menthol 0.1, perfumes 1.0 and purified water to 100.0%.

ST **dentifrice** ascorbate phosphate ester periodontal disease; active oxygen scavenger **dentifrice** periodontal disease

IT 50-81-7D, Ascorbic acid, phosphate esters 89-78-1, Menthol 89-80-5, Menthone 97-53-0, Eugenol 99-49-0, Carvone 104-46-1, Anethole 104-55-2, Cinnamic aldehyde 138-86-3, Limonene 470-82-6, Cineole 21090-54-0, Ascorbic acid 3-phosphate **23313-12-4**, Ascorbic acid 2-phosphate 52993-54-1, Menthane 106579-53-7, Ascorbic acid 6-phosphate 144615-43-0, Ascorbic acid 5-phosphate
RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oral compns. contg. ascorbic acid phosphate esters as active oxygen scavengers for periodontal disease control)

STN Columbus

L14 ANSWER 13 OF 16 TOXCENTER COPYRIGHT 2004 ACS on STN

Full Text

ACCESSION NUMBER: 1996:175570 TOXCENTER
COPYRIGHT: Copyright 2004 ACS
DOCUMENT NUMBER: CA12506067295T
TITLE: Oral compositions containing ascorbic acid phosphate ester
as active oxygen scavengers for periodontal disease
control
AUTHOR(S): Kataoka, Shinsuke; Ehata, Keiko
CORPORATE SOURCE: ASSIGNEE: Lion Corp
PATENT INFORMATION: JP 9699849 A2 16 Apr 1996
SOURCE: (1996) Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF.
COUNTRY: JAPAN
DOCUMENT TYPE: Patent
FILE SEGMENT: CAPLUS
OTHER SOURCE: CAPLUS 1996:417858
LANGUAGE: Japanese
ENTRY DATE: Entered STN: 20011116
Last Updated on STN: 20020730

AB. . . anethole, eugenol and/or cinnamic aldehyde are useful for
controlling periodontal diseases. Optionally, menthol may be added to the
prepsns. A **toothpaste** contained precipitable silica 25.0, sorbitol 25.0,
glycerin 25.0, PVP 1.0, lauroyl polyglycerin ester 1.0, polyoxyethylene
sorbitan monolaurate 0.5, sodium saccharin. . .

ST Miscellaneous Descriptors

dentifrice ascorbate phosphate ester periodontal disease; active
oxygen scavenger **dentifrice** periodontal disease

RN . . . (Menthol)
89-80-5 (Menthone)
97-53-0 (Eugenol)
99-49-0 (Carvone)
104-46-1 (Anethole)
104-55-2 (Cinnamic aldehyde)
138-86-3 (Limonene)
470-82-6 (Cineole)
21090-54-0 (Ascorbic acid 3-phosphate)
23313-12-4 (Ascorbic acid 2-phosphate)
52993-54-1 (Menthane)
106579-53-7 (Ascorbic acid 6-phosphate)
144615-43-0 (Ascorbic acid 5-phosphate)
7782-44-7Q (Oxygen, active)

L14 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1992:657998 CAPLUS
DOCUMENT NUMBER: 117:257998
TITLE: Dentifrices containing fluorides, calcium salts, and
ascorbic acid phosphate esters
INVENTOR(S): Okajima, Takao; Nakai, Ryozyo; Hoshi, Masato;
Shinozaki, Takao
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04217616	A2	19920807	JP 1990-403104	19901218
PRIORITY APPLN. INFO.:			JP 1990-403104	19901218

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ST fluoride calcium ascorbate phosphate **dentifrice**
 IT 50-81-7D, L-Ascorbic acid, phosphate esters 7664-38-2D, Phosphoric acid, esters with ascorbic acid 21090-54-0, Ascorbic acid 3-phosphate 23313-11-3, Ascorbic acid 3-pyrophosphate 23313-12-4, Ascorbic acid 2-phosphate 23313-13-5 30784-77-1, Ascorbic acid 2-pyrophosphate 42756-52-5, Ascorbic acid 3-phosphate sodium salt 68536-30-1 106579-53-7, Ascorbic acid 6-phosphate 109620-90-8, Ascorbic acid 2-phosphate sodium salt 121047-28-7, Ascorbic acid 6-phosphate sodium salt 144615-43-0, Ascorbic acid 5-phosphate 144615-44-1, Ascorbic acid 5-phosphate sodium salt 144615-45-2, Ascorbic acid 2-pyrophosphate sodium salt 144615-46-3, Ascorbic acid 3-pyrophosphate sodium salt 144666-91-1 144731-93-1
 RL: BIOL (Biological study)

(colloidal calcium fluoride prepn. with, for dentifrices)

L14 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

ACCESSION NUMBER: 1991:499027 CAPLUS
 DOCUMENT NUMBER: 115:99027
 TITLE: Stable dentifrices containing zinc salts and sugar phosphates
 INVENTOR(S): Tsujita, Satoshi; Kayane, Shigeto; Imamura, Takashi
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03007214	A2	19910114	JP 1989-140815	19890602

PRIORITY APPLN. INFO.: JP 1989-140815 19890602

AB Oral compns. contain H2O-sol. Zn salts as active ingredients and sugar phosphates or their pharmacol. acceptable salts as stabilizers. The phosphates prevent pptn. of Zn salts in neutral aq. solns. EtOH 15.0, glycerin 3.0, sorbitol 0.1, Na benzoate 0.1, ZnSO4 0.1, Na glucose 1-phosphate 0.3, flavor 0.1, ethylene oxide-propylene oxide copolymer 1.0, Na saccharinate 0.02, colorant, and H2O to 100% by wt. were mixed to give a **mouthwash**, in which ZnSO4 did not ppt.

ST **mouthwash** zinc salt sugar phosphate; stabilizer sugar phosphate **mouthwash**
 IT 7646-85-7, Zinc chloride, biological studies 7733-02-0, Zinc sulfate 17364-14-6, Sodium glucose 1-phosphate 45170-75-0
 RL: BIOL (Biological study)
 (**mouthwash** contg. sugar phosphates and, stable)

IT 59-56-3D, zinc complexes 488-69-7 23313-12-4D, zinc complexes 109620-90-8 135467-24-2
 RL: BIOL (Biological study)
 (**mouthwash** contg. zinc salt and, stable)

L14 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text

ACCESSION NUMBER: 1987:446097 CAPLUS
 DOCUMENT NUMBER: 107:46097
 TITLE: Dentifrices containing L-ascorbic acid-2-phosphate
 INVENTOR(S): Ito, Shinobu; Ogata, Eiji
 PATENT ASSIGNEE(S): Showa Denko K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent

STN Columbus

LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62096408	A2	19870502	JP 1985-235451	19851023

PRIORITY APPLN. INFO.: JP 1985-235451 19851023

AB Dentifrices contain L-ascorbic acid-2-phosphate or its salt which controls **mouth** odors and prevents gingivitis. Thus, a **toothpaste** was prepd. consisting of CaHPO₄·2H₂O 45.0, Na CM cellulose 0.5, carrageenan 0.5, glycerin 10.0, sorbitol 10.0, a flavor 1.0, a preservative 0.1, saccharin Na 0.1, Na lauryl sulfate 2.0, NaCl 2.0, ascorbic acid phosphate ester Mg salt 1.0, and H₂O to 100% by wt.

ST **dentifrice** ascorbate phosphate

IT 23313-12-4, L-Ascorbic acid-2-phosphate 23666-04-8,
 L-Ascorbic acid-2-phosphate magnesium salt
 RL: BIOL (Biological study)
 (dentifrices contg.)

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